

ULYSSES
DUST DETECTOR PARTICLE EVENT LISTING
90-090B-07B

THIS DATA SET CONSISTS OF 1 MAGNETIC TAPE. THE D-TAPE IS A 9-TRACK AND THE C-TAPE IS A 3480 CARTRIDGE, 6250 BPI. CREATED ON VAX COMPUTER, WRITTEN IN ASCII, LABEL NAME "ULYDUS". A DIRECTORY OF THE TAPE AS WELL A COPY OF THE SUPPORT DOCUMENTATIONS, AND FORMAT HAVE BEEN INCLUDED IN THE CATALOG. THE D AND C NUMBERS ALONG WITH IT'S TIME SPAN IS LISTED BELOW.

D#	C#	FILES	TIMESPAN
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D-109079	C-033063	6	10/28/90 - 12/28/95

Directory/Listing:

ULYDUS.FMT;8

DUST.DAT;3

Total of 2 files.

WARNING:

The Ulysses DUST data set of particle events for 1990 - 1995 has been removed from this on-line site but remains in the off-line archive as data set 90-090B-07B. Users are advised to contact the experiment team (data set contact: Dr. Harald Krueger, MPI-Heidelberg, krueger@galileo.mpi-hd.mpg.de) about the current status of these data before requesting them from NSSDC. More complete data from this experiment are currently being ingested for peer review by the Small Bodies Node of the Planetary Data System (SBN/PDS). Please contact Dr. Mark Sykes (sykes@as.arizona.edu) for the status the PDS ingest process.

11/19/98 J. F. Cooper

File: ULYDUS.fmt

Version: NSSDCA 3/27/98 JFC

Data Listing from the Ulysses Dust Experiment for 1990 - 1995

Data File: DUST.DAT

Note: The following data description was copied from the DUST experiment data set on the Ulysses Data System (UDS) as provided by the experiment team. These data are not publicly accessible through UDS.

DUST FILE FORMAT (REFERENCE: A&A, 92, 2 page 411;
Gruen, E. et al., Two Years of Ulysses Dust
Data, in press, Planet. Space Sci., 1994;
Gruen, E. et al., Reduction of Galileo and
Ulysses Dust Data, in press, Planet. Space
Sci., 1994)

LOCATION: ESTUDS::DKA500:[UDS.DUST]DUST.DAT;1

UDS REPRESENTATIVE: H. Kreuger (krueger@galileo.mpi-hd.mpg.de)

RECORD FORMAT:

C FIXED FORMAT

```
      READ(1,100) IYEAR, IDOY, IHOURL, IMIN, ISEC,  
      .           S_LONG, S_LAT, SPEED, ESPEED, XMASS, EXMASS  
100  FORMAT(I4,X,I3,X,3(X,I2),  
      .           2X,2(2X,F5.1),X,F11.2,X,F7.1,XE11.3,X,F9.2)
```

PARAMETER LIST:

IYEAR: year
IDOY: day of year
IHOURL: hour
IMIN: minute
ISEC: second
S_LONG: ecliptic longitude of DUST sensor boresight (degree)
S_LAT: ecliptic latitude of DUST sensor boresight (degree)
SPEED: impact speed (km/s)
ESPEED: impact speed error factor
XMASS: mass (g)
EXMASS: mass error factor

TIME RESOLUTION: N/A (< 10 minutes)

NOTES: speed and mass values for dust impact events with a velocity error factor greater than 6 should be discarded.

999 is fill flag for S_LONG and S_LAT.